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L9: Entry 20 of 23

File: USPT

Nov 22, 1994

DOCUMENT-IDENTIFIER: US 5366845 A

TITLE: Silver halide photographic photosensitive material and a method of processing same

Brief Summary Text (9):

Methods in which acidic dyes which have sulfo groups or carboxyl groups are localized in a specified layer using a mordant were known in the past as a means of fixing dyes in an anti-halation layer. The polymers of ethylenic unsaturated compounds which have dialkylaminoalkylester residual groups disclosed in British Patent 685,475, the reaction products of poly(vinyl alkyl ketone) and aminoguanidine disclosed in British Patent 850,281, and the vinylpyridine polymers and vinylpyridinium cationic polymers disclosed in U.S. Pat. Nos. 2,548,564, 2,484,430, 3,148,061 and 3,756,814 are known, for example, as mordants of this type. Further, cationic mordants in which secondary or tertiary amino groups, nitrogen-containing heterocyclic groups or quaternary cations (based on these groups) are included in the polymer can be used for effectively mordanting the acid dyes.

Detailed Description Text (99):

A lower protective layer consisting of 0.6 g/m.^{sup.2} of gelatin, 5 mg/m.^{sup.2} of 5-nitroindazole 8 mg/m.^{sup.2} of lipoic acid, 6 mg/m.^{sup.2} of C.sub.2 H.sub.5 SO.sub.2 SNa, 50 mg/m.^{sup.2} of hydroquinone, 15 mg/m.^{sup.2} of 1-hydroxy-2-benzaldoxime and 230 mg/m.^{sup.2} of ethyl acrylate latex (average particle size 0.05 .mu.m), and an upper protective layer consisting of 0.5 g/m.^{sup.2} of gelatin, 55 mg/m.^{sup.2} of matting agent (silicon dioxide, average particle size 3.5 .mu.m), 135 mg/m.^{sup.2} of methanol silica (average particle size 0.02 .mu.m) and, as coating promotor, 25 mg/m.^{sup.2} of sodium dodecylbenzenesulfonate, 20 mg/m.^{sup.2} of the sodium salt of the sulfate ester of poly(degree of polymerization 5)oxyethylene nonylphenyl ether and 3 mg/m.^{sup.2} of N-perfluorooctanesulfonyl-N-propylglycine, potassiumsalt, were coated at the same time over the emulsion layer and, also at the same time, 0.5 g/m.^{sup.2} of gelatin, 50 mg/m.^{sup.2} of polystyrenesulfonic acid, K.^{sup.+} salt, 50 mg/m.^{sup.2} of ethyl acrylate latex and a solid dispersed dye of the present invention, as indicated in Table 1, were coated as an antihalation layer between the emulsion layer and the base layer, and samples were obtained in this way.

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L8: Entry 3 of 3

File: USPT

Sep 28, 1999

DOCUMENT-IDENTIFIER: US 5958933 A

TITLE: Neurologically active compounds and compounds with multiple activities

Detailed Description Paragraph Table (10):

+ All-cis-5,8,11,14,17- eicosapentaenoic acid (2 mols)
1,3-Bis-(all-cis-5,8,11,14,17- eicosapentaenoxyloxy)-2-propanol (175) Melamine +
All-cis-5,8,11,14,17- eicosapentaenoic acid (3 mols) 2,4,6-Tris(-all
cis-5,8,11,14,17- eicosapentaeneamido)-1,3,5-s-triazine (176) L-Arginine +
2,6-Disopropylaniline N-(-2,6-Diisopropylphenyl)-L- arginineamide (177)
2,4,6-Trimethoxybenzaldehyde + Aminoguanidine 2,4,6-Trimethoxybenzylideneamino-
guanidine (178) Guanidineacetic acid + 2,6-Dimethylaniline
N-(2,6-Dimethylphenyl)-guanidino- acetamide (179) Guanidine + All-cis-5,8,11,14,17-
eicosapentaenoic acid (2 mols) Bis-N,N'-(all-cis-5,8,11,14,17-
eicosapentaenoylamino)-imine (180) Hydralazine + Guanidinoacetic acid
N-(Guanidinoacetamido)-1-aminophthlazine (181) 2-Amino-5-ethyl-1,3,4- thiadiazole +
2,6-Dichlorobenzaldehyde 2-(2,6-Dichlorobenzylideneamino)-5- ethyl-1,3,4-thiadiazole
(182) 2,6-Dichlorobenzylidene- aminoguanidine + Theophylline-7-acetic acid
N-(2,6-Dichlorobenzylideneamino)-N'-(theophylline-7-acetyl)-guanidine (183)
2-(3,4-Dihydroxyphenyl) 2-hydroxyacetaldehyde + Trolox-guanidineamide
N-(6-Hydroxy-2,5,7,8-tetramethylchroman- 2-carbonyl)N'-(3,4-dihydroxyphenyl)-2-
(R)-or-2-(S)-hydroxyethylguanidine (184) Megosterol + Guanidinoacetate
17-(Guanidinoacetoxyl)-megostrol (185) Medroxyprogesterone + Guanidinoacetic acid
17-(Guanidinoacetoxyl)-medroxy- progesterone (186) Hydroxyprogesterone +
Guanidinoacetic acid 17-(Guanidinoacetoxyl)-progesterone (187)
[Z]-2-[4-(1,2-Diphenyl- 1-butenyl)-phenol + Guanidinoacetic acid
[Z]-2-[4-(1,2-Diphenyl-1-butenyl)- phenoxy]-guanidineacetate ester (188)
2-Guanidinobenzimidazol + Indole-3-carboxaldehyde 2-(Indole-3-methyleneamino)-2-
aminobenzimidazol (189) Phenylacetic Acid + Guanidine Phenylacetamidoamididine
(190) 1,4-Diguanidinobutane (Commercially available product as arcaine) (191)
2,6-Dichlorobenzaldehyde + 3,7-Dihydro-8-amino- 1,3,7-trimethyl-1H- purine-2,6-dione
3,7-Dihydro-8-(2,6-dichlorobenzylidene amino)-1,3,7-trimethyl-1H-purine-2,6- dione
(192) 4,4'-[Pentanediy]bis(oxy)] bis-benzenecarboximidamide (Commercially available
as pentamidine) (193) Cytosine + 2,6-Dichlorobenzaldehyde
4-N-(2,6-Dichlorobenzylideneamino)-2- oxyypyrimidine (194)
3,4,5-Trimethoxybenzaldehyde + 3,5-Diamino-1,2,4-triazole
3,5-Bis(3,4,5-trimethoxybenzylidene amino)-1,2,4-triazole (195) Trolox +
3,5-Diamino-1,2,4-triazole 3,5-Bis-(6-hydroxy-2,5,7,8-tetramethyl-
chroman-2-carboxamido)-1,2,4 triazole (196) 5-Hydroxyindole-3-acetaldehyde +
3,4,5-Trimethoxybenaldehyde + 3,5-Diamino-1,2,4-triazole
3-(5-Hydroxyindole-3-ethylamino)-5- (3,4,5-trimethoxybenzylideneamino)-
1,2,4-triazole (197) 8-Aminocaffeine + Acetylsalicylic acid
3,7-Dihydro-8-N-(2-acetoxybenzamido)- 1,3,7-trimethyl-1H-purine-2,6-dione (198)
Cytosine + D-glucose 4-N-(1-Glucosylamino)-cytosine (199) Theophylline-7-acetic acid
+ 2,6-Dichlorobenzaldehyde + 3,5-Diamino-1,2,4-triazole
3-(2,6-Dichlorobenzylideneamino)-5- (theophylline-7-acetamido)-1,2,4- triazole (200)
Trolox + Betaine + 3,5-Diamino-1,2,4- triazole
3-(6-Hydroxy-2,5,7,8-tetramethylchroman- 2-carboxamido)-5- (N,N,N-trimethylmethan-
aminiumcarboxamido)-1,2,4-triazole (201) Theophylline-7-acetic acid +
3,5-Diamino-1,2,4-triazole + Acetylsalicylic
3-(-2-Acetoxybenzamido)-5-(theophylline- 7-acetamido)-1,2,4-triazole (202)
Theophylline-7-acetic acid + 2-Guanidinoacetoxylbenzoic acid +

3,5-Diamino-1,2,4-triazole 3-(2-Guanidinoacetoxybenzamido)-5-(theophylline-7-acetamido)-1,2,4-triazole (203) 8-Aminocaffeine + 2-Guanidinoacetoxy-benzoic acid 3,7-Dihydro-8-(2-guanidinoacetoxyphenyl-carboxamido)-1,3,7-trimethyl-1H-purine-2,6-dione (204) P-Hydroxyanilin + Guanidinoacetic Acid N-(4-Guanidinoacetoxy)-guanidino-acetanilid ((205) 8-Aminocaffeine + Trolox 3,7-Dihydro-8-(6-hydroxy-2,5,7,8-tetramethylchroman-2-carboxamido)-1,3,7-trimethyl-1H-purine-2,6-dione (206) Trolox + Cytosine + Guanidineacetic Acid 4-N-(6-Guanidinoacetoxy-2,5,7,8-tetramethylchroman-2-carboxamido)-4-2-(hydroxy)-pyrimidine (207) Trolox + 8-Aminocaffeine + Guanidineacetic acid 3,7-Dihydro-8-N-(2-guanidinoacetoxy-2,5,7,8-tetramethylchroman-2-carboxamido)-1,3,7-trimethylxanthine (208) Thiocctic acid (Alpha-lipoic acid) + Aminoguanidine N-(1,2-Dithiolane-3-pentanainido)-guanidine, (209) Thiocctic acid + 3,5-Diamino-1,2,4-triazole 3,5-Bis-(1,2-dithiolane-3-pentanamido)-1,2,4-triazole (210) Aminoguanidine + 3,3'-Thiodipropionic acid 3,3'-Thiodipropanamidoguanidine (211) Maleic Acid + Aminoguanidine Cis-1,2-ethylene-bis-(carboxamido)-guanidine (212) Theophylline-7-acetic acid + 3,5-Diamino-1,2,4-triazole + Glycine 3-(Glycylamido)-5-(theophylline-7-acetamido)-1,2,3-triazine (213) 8-Aminocaffeine + 2-(4-Amino-3,5-dichlorophenyl)-2-hydroxyethylaldehyde

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L9: Entry 18 of 23

File: USPT

Sep 28, 1999

DOCUMENT-IDENTIFIER: US 5958933 A

TITLE: Neurologically active compounds and compounds with multiple activities

Brief Summary Text (26):

The indirect beta-agonists, such as substituted xanthines, act by inhibiting the enzyme c-AMP phosphodiesterase, with the effect of increasing the ratio of c-AMP to c-GMP (cyclic guanosine-3',5'-monophosphate). In addition, moieties derived from direct acting beta-agonist, such as 4-hydroxy-3-methoxymandelic acid, 3,4-dihydroxymandelic aldehyde, 3,4-dihydroxyphenyl (beta-hydroxy)-acetaldehyde may be combined through their aldehyde or carboxyl groups with guanidine, aminoguanidine, etc. to yield internally neutralized compounds which have similar effect.

Brief Summary Text (56):

Suitable group A compounds include guanidine, aminoguanidine, 2-guanidinobenzimidazole, 2-aminoimidazole, 2-aminodihydrothiazine, 2-hydrazinoimidazoline, 2,4,6-triamino-1,3,5-s-triazine, 2,4-diamino-6-phenyl-1,3,5-s-triazine, 2,4-bis(diethylamino)-6-hydrazino-1,3,5-s-triazine, 4-methyl-4H-1,2,4-triazole-3-thiole, 4,5-diphenyl-2-imidazole-thiole, 2-(4-aminophenyl-6-methyl-benzothiazole), 3,5-diamino-1,2,4-triazole, 8-aminocaffeine and their acid addition salts. The 8-aminocaffeine compound can be prepared, e.g., by reacting 8-chlorocaffeine with ammonia.

Brief Summary Text (57):

Useful B group compounds which are preferably direct or indirect beta-agonists, can be, for example, theophylline, etofylline, theophylline-7-acetic acid, theophylline-7-acetaldehyde, 7-(2,3-dihydroxy)-propyltheophylline, 1-theobromine acetic acid, 1-theobromine acetaldehyde. Alternatively, 8-chlorocaffeine can be reacted with compounds having a free amino-group, to form the third leg of the guanidino group, or to form a biguanide by reacting 8-chlorocaffeine with, e.g., aminoguanidine, or 2-hydrazinoimidazole.

Detailed Description Text (93):

Suitable group "A" reactant compounds include guanidine, aminoguanidine, guanidineacetic acid, 2-guanidinobenzimidazole, 2-aminoimidazole, 2-aminodihydrothiazine, 2-hydrazinoimidazoline, 3,5-Diamino-1,2,4-triazine, 2,4,6-triamino-1,3,5-s-triazine, 2,4-diamino-6-phenyl-1,3,5-s-triazine, 2,4-bis(diethylamino)-6-hydrazino-1,3,5-s-triazine, 4-methyl-4H-1,2,4-triazole-3-thiole, 4,5-diphenyl-2-imidazole-thiole, 2-(4-aminophenyl-6-methyl)-2-benzothiazole, 2-aminopurines, 2-aminopyrimidines, 2-aminocytidine, other acyclic or cyclic groups containing the guanidino moiety as defined by formula I, above, and their acid addition salts.

Detailed Description Text (159):

The purpose of liquid nitrogen is to reduce the structural integrity of the collagen laden, glial scar tissue, by freezing and defrosting. Collagenase then initiates a debridement of the scar without attacking the nervous and osseous tissue. If required, streptokinase, or alteplase, both plasminogen activators can also be used to bring about a complete debridement. In addition to 3-amino-propionitrile (a latherogen), 5-fluorodeoxyuridine and dehydroproline can be used to arrest further glial and fibroblastic invasion of the scar region, respectively. Aminoguanidine, aminoguanphylline, clonidine, guanabenz, and guanphylline also interfere with

formation of the scar.

Detailed Description Paragraph Table (1):

TABLE IA - MOLAR COMPOUND RATIO ABBREV. A B A:B PRODUCT 1. C GUANIDINE, HCl
THEOPHYLLINE-7-ACETIC ACID 1:1 GUANIDINO-7-ACETYLTHEOPHYLLINE 2. D 2-GUANIDINOBENZ
IMIDAZOLE THEOPHYLLINE-7-ACETIC ACID 1:1 2-GUANIDINO BENZIMIDAZOLYL-7-
ACETYLTHEOPHYLLINE 3. E 2-HYDRAZINOIMIDAZOLINE, HBR THEOPHYLLINE-7-ACETIC ACID 1:1
2-HYDRAZIN OIMIDAZOYL-7-ACETYLTHEOPHYLLINE 4. F GUANIDINE 1-THEOBROMINEACETIC ACID
1:1 THEOBROMINE-1-ACETYL GUANIDINE 5. C.sub.2 AMINO GUANIDINE THEOPHYLLINE-7-ACETIC
ACID 1:1 THEOPHYLLINE-7-A CETYLAMIDO-GUANIDINE 6. G AMINO GUANIDINE
1-THEOBROMINEACETIC ACID 1:1 THEOBROMINE-1-ACETYLAMID O-GUANIDINE 7. N
ANINO GUANIDINE THEOPHYLLINE-7-ACETALDEHYDE 1:1 THEOPHYLLINE-7-ETHYLE
NEIMINO-GUANIDINE 8. C.sub.4 GUANIDINE THEOPHYLLINE-7-ACETALDEHYDE 1:1
THEOPHYLLINE-7-ETHYL ENE-GUANIDINE 9 GUANIDINO-ACETIC ACID 7-(2,3-DIHYDROXY) PROPYL
2:1 7-(2,3-DIGUANIDINO A CETATE) PROPYL THEOPHYLLINE THEOPHYLLINE 10. H
2,4,6-TRIAMINO-s-TRIAZINE THEOPHYLLINE-7-ACETIC ACID 1:3 2,4,6-TRIS
(7-ACETAMIDOTHEOPHYLLINE)-1,3,4-s-TRIAZINE 11. J 2,4,6-TRIAMINO-s-TRIAZINE
2,6-DICHLOROBENZALDEHYDE + 1:2:1 2,4-BIS (2,6-DICHLOROBENZYLIDENEIMINO)-6-(7-
THEOPHYLLINE-7-ACETIC ACID ACETAMIDOTHEOPHYLLINE)-1,3,5-s-TRIAZINE 12. K
2,4,6-TRIAMINO-s-TRIAZINE 1-NAPHTHYLACETIC ACID + 1:2:1 2,4-BIS (1-N
APHTHYLACETAMIDO)-6-(7-ACETAMIDO- THEOPHYLLINE-7-ACETIC ACID
THEOPHYLLINE)-1,3,4-s-TRIAZINE 13. L 2,4,6-TRIAMINO-s-TRIAZINE
2,6-DICHLOROBENZALDEHYDE + 1:1:2 2,4-BIS (7-ACETAMIDOTHEOPHYLLINE)-
THEOPHYLLINE-7-ACETIC ACID 6-(2,6-DICHLOROBENZYLIDENEAMINO)-1,3,5-s-TRIAZINE 14.
2,4,6-TRIAMINO-s-TRIAZINE THEOPHYLLINE-7-ACETIC ACID 1:1:1 2-(7-ACET
AMIDOTHEOPHYLLINE)-4-(1-ACETAMIDO- 1-THEOBROMINEACETIC ACID
THEOBROMINE)-6-AMINO-1,3,4-s-TRIAZINE 15. 4,5-DIPHENYL-2-IMIDAZOLETHIOLE
THEOPHYLLINE-7-ACETIC ACID 1:1 THEOPHYLLIN E-7-ACETYL-2-(4,5,-DIPHENYL)-2-
THIOMIDAZOLE 16. 2-(4-AMINOPHENYL)-6- 1-THEOBROMINEACETIC ACID 1:1
1-THEOBROMINEACETY L-2-(4-AMINOPHEHYL)-6- METHYL-BENZOTHAZOLE METHYLBENZOTHAZOLE

Detailed Description Paragraph Table (5):

TABLE II

Reactants Product

(1)

2,6-Dichlorobenzoic acid Aminoguanidine 2,6-Dichlorobenzamidoguanidine (2)
2,6-Dichlorobenzoic acid + 2-Hydrazinoimidazole 2-(2,6-Dichlorobenzamido)-2-amino-
imidazole (3) 4-Methylbenzaldehyde(2 mols) + Guanidine
Bis-(4-methylbenzylidene)-guanidine (4) 2,6-Dichlorobenzaldehyde(2 mols) +
5-Hydroxyindole-3-acetaldehyde + Melamine 2,4-Bis-(2,6-dichlorobenzylideneamino)-
6-(5-hydroxyindole-3-ethylamino)-1,3,5-s-triazine (5) 5-Hydroxy-3-indole acetic
acid + 1-Naphthylacetic acid + Melamine 2-(Amino)-4-(5-hydroxyindole-3-
acetamido)-6-(1-naphthylacetamido)-1,3,5-s-triazine (6) 2-Hydroxybenzoic acid
methyl ester + Guanidinoacetic acid 2-(Guanidinoacetoxy)-1-methylbenzoic acid ester
(7) 2,6-Dichlorobenzaldehyde + 3,4-Dihydroxymandelic aldehyde + Melamine
2-(Amino)-4-(2,6-dichlorobenzyl- ideneamino)-6- (3,4-dihydroxyphenyl- 7-(R) or
7-(S)-hydroxyethyleneamino)-1,3,5-s-Triazine (8) 2,6-Dichlorobenzaldehyde(2 mols) +
3,4-Dihydroxyphenylacet-aldehyde + Melamine 2,4-Bis-(2,6-dichlorobenzylideneamino)-
6-(3,4-dihydroxyphenylethylamino)-1,3,5-s-triazine (9) 2-Acetoxybenzoic acid +
3,5-Dichlorophenylacetic acid + Melamine 2-(Amino)-4-(2-acetoxybenzamido)-6-
(3,5-dichlorophenylacetamido)-1,3,5-s- triazine (10) Aminoguanidine +
2-Acetoxybenzaldehyde 2-Acetoxybenzylideneaminoguanidine (11)
2,4-Dichlorophenoxybutyric acid + Guanidine 2,4-Dichlorophenoxybutyramidoamide
(12) 4-Chlorobenzaldehyde(2 mols) + Melamine 2-(Amino)-4,6-bis-(4-chlorobenzyl-
ideneamino)-1,3,5-s-triazine (13) 3,4,5-Trimethoxybenz-aldehyde +
2-Hydrazinoimidazole 2-(3,4,5-Trimethoxybenzylideneamino)-2- aminoimidazole (14)
2,6-Dichlorobenzaldehyde + 4-Aminobutyric acid + Melamine
2-(Amino)-4-(4-aminobutyramido)-6- (2,6-dichlorobenzylideneamino)-1,3,5-s- triazine
(15) Phenylactic acid + 2-Hydrazinoimidazole 2-(Phenylacetamido)-2-aminoimidazole
(16) 2,6-Dichlorobenzaldehyde + Guanidine 2,6-(Dichlorobenzylideneamino)-amidine
(17) 2,6-Dichlorobenzaldehyde(2 mols) + Melamine
2-(Amino)-4-6-bis-(2,6-dichlorobenzyl- ideneamino)-1,3,5-s-triazine (18)
2,6-Dichlorobenzylaldehyde(3 mols) + Melamine 2,4,6-tris-(2,6-Dichlorobenzyl
ideneamino)-1,3,5-s-triazine (19) 4-Hydroxy-3-methoxy- phenylacetic acid(2 mols) +
Melamine 2-(Amino)-4,6-bis-(4-hydroxy-3- methoxyphenylacetamido)-1,3,5-s- triazine

(20) 1-Naphthaldehyde (3 mols) + Melamine 2,4,6-Tris-(1-naphthylmethyleimino)-1,3,5-s-triazine (21) 2,4-Diamino-6-phenyl-1,3,5-s-triazine (2 mols) + 2,6-Dichlorobenzaldehyde (2 mols) 2,4-Bis-(2,6-dichlorobenzylideneamino)-6(phenyl)-1,3,5-s-triazine (22) 2,4-Dichlorophenoxy- butyric Acid (2 mols) + Melamine 2-(Amino)-4,6-bis-(2,4-dichlorophenoxy- butyramido)-1,3,5-s-triazine (23) 2,6-Dichlorobenzaldehyde + Theophylline-7-acetic acid + 2-Acetoxybenzoic acid + Melamine 2-(Acetoxybenzamido)-4-(2,6-dichloro- benzylideneamino)-6-(theophylline-7-acetamido)-1,3,5-s-triazine (24) 3,4,5-Trimethoxybenz- aldehyde (2 mols) + Melamine 2-(Amino)-4,6-bis-(3,4,5-trimethoxy- benzylideneamino)-1,3,5-s-triazine (25) 2-(Hydrazino)-4,6-bis (diethylamino)-1,3,5-s- triazine + 3,4,5-Trimethoxybenzaldehyde 2,4-Bis-(diethylamino)-6-(3,4,5- trimethoxybenzylidenehydrazino)-1,3,5-s-triazine (26) N-(4-Hydroxyphenyl)-acetamide + Guanidinoacetic acid N-(4-Guanidinoacetoxy)-acetanilide (27) Hydralazine + Guanidinoacetic acid N-(Guanidinoacetamido)-1-amino- phthalazine (28) 5-Hydroxytryptamine + 2,6-Dichlorobenzaldehyde + Guanidinoacetic acid N-(2,6-Dichlorobenzylidene)-5-guanidinoacetoxy-indole-3- ethylamine (29) 3,4-Dihydroxyphenyl acetaldehyde + 5-Hydroxyindole-3- acetaldehyde + 2,6-Dichlorobenzaldehyde + Melamine 2-(2,6-Dichlorobenzylideneamino)-4- (3,4-dihydroxyphenylethylamino)-6-(5-hydroxyindole-3-ethylamino)-1,3,5-s-triazine (30) 1-Naphthylacetic acid (3 mols) + Melamine 2,4,6-Tris(1-naphthylacetamido)-1,3,5-s-triazine (31) Betaine + Theophylline-7-acetic acid + Melamine 2-(Amino)-4-(1-carboxamido-N,N,N-trimethylmethaniminium)-6-(theophylline- 7-acetamido)-1,3,5-s-triazine (32) Guanidinoacetic acid + Choline Guanidinoacetylcholine HCL; 1-(2-hydroxy-N,N,N-trimethylethanaminium-1- guanidinoacetate ester (33) Guanidinoacetic acid + 3-Methyl-1-butanol 1-Guanidinoacetoxy-3-methyl-1-butanol (34) Glycerol + Guanidinoacetic acid (3 mols) 1,2,3-Propanetrioltriguanidino acetate ester; 1,2,3-tris-(guanidinoacetoxy) propane (35)

Detailed Description Paragraph Table (6):

2-Guanidinobenzimidazole + Theophylline-7-acetic acid
 2-(Theophylline-7-acetamido)-2-amino- benzimidazole (36) Nicotinic acid + Theophylline-7-acetic acid + Melamine 2-Amino-4-(nicotinamido)-6-(theophylline-7-acetamido)-1,3,5-s- triazine (37) 5-Hydroxyindole-3- acetaldehyde + 2-Guanidinobenzimidazole 2-(5-Hydroxyindole-3-ethylamino)-2- amidinobenzimidazole (38) Aminoguanidine + 5-Hydroxyindole-3- acetic acid
 5-Hydroxyindole-3-acetamidoguanidine (39) 6-Aminohexanoic acid + Theophylline-7-acetic acid + Melamine 2-(Amino)-4-(6-aminohexanamido)-6-theophylline-7-acetamido)-1,3,5-s- triazine (40) 2-Acetoxybenzoic acid + Theophylline-7-acetic acid + Melamine 2-(Amino)-4-(2-acetoxybenzamido)-6-(theophylline-7-acetamido)-1,3,5-s- triazine (41) Aminoguanidine + 2,4-Dichlorophenoxy- butyric acid 2,4-(Dichlorophenoxybutyramido)- guanidine (42)
 2-Guanidinobenzimidazole + 2-Naphthoxyacetic acid
 2-(2-Naphthoxyacetamido)-2-amidino- benzimidazole (43) 2,6-Di-tert-butyl-4-methylphenol + Guanidinoacetic acid 1-Guanidinoacetoxy-2,6-di-tert-butyl-4-methylphenol (44) 3,4-Dihydroxymandelic aldehyde + 2,6-Dichlorobenzaldehyde + Aminoguanidine N-(2,6-Dichlorobenzylideneguanidino)-2- (3,4-dihydroxyphenyl)-2-(R) or-2-(S)- hydroxyethylimine (45) 3,4-Dihydroxyphenyl- acetaldehyde + Aminoguanidine 3,4-Dihydroxyphenylethylene aminoguanidine (46) 2-Aminobenzothiazole + 2,6-Dichlorobenzaldehyde 2-(2,6-Dichlorobenzylideneamino)- benzothiazole (47)
 Melamine + Nicotinic acid + 3,4,5-Trimethoxyphenyl- acetic acid
 2-(Amino)-4-(nicotinamido)-6-(3,4,5- trimethoxyacetamido)-1,3,5-s-triazine (48)
 L-5-Hydroxytryptophan + 2,6-Dichlorobenzaldehyde + Aminoguanidine 3-(5-Hydroxyindole)-2-(R)-or-2-(S)- (2,6-dichlorobenzylideneamino)-N-guanidinopropionamide (49) Guanidinoacetic acid + Nicotiny alcohol 3-(guanidinoacetoxy)-3-methylpyridine (50) L-3,4-Dihydroxyphenylalanine + 2,6-Dichlorobenzaldehyde + Aminoguanidine 3-(3,4-Dihydroxyphenyl)-2-(R)-or-2-(S)- (2,6-dichlorobenzylideneamino)-N- guanidinopropionamide (51) Aminoguanidine + 2,6-Dichlorophenylacetic acid 2,6-Dichlorophenylacetamidoguanidine (52)
 2-Hydrazinoimidazole + Indole-3-carboxaldehyde 2-(Indole-3-methylene)-2-hydrazinoimidazole (53) Theobromine-1-acetic acid + Aminoguanidine Theobromine-1-acetamido-guanidine (54) 1-Theobromineacetic acid + Nicotinic acid + Melamine 2-(Amino)-4-(nicotinamido)-6- (theobromine-1-acetamido)-1,3,5-s- triazine (55) 4-Aminobutyric acid + Guanidinoacetic acid 4-(Guanidinoacetamido)butyric acid (56) 3,4-Dimethoxybenzoic acid + 2,6-Dichloroacetic acid + Melamine 2-(Amino)-4-(2,6-dichloroacetamido)-6- (3,4-dimethoxybenzamido)-1,3,5-s- triazine

(57) 1-Theobromineacetic acid + 2,6-Dichlorophenylacetic acid + Melamine
 2-(Amino)-4-(2,6-dichlorophenyl)-acetamido)-6-(theobromine-1-acetamido)-
 1,3,5-s-triazine (58) Glycerol + Guanidinoacetic acid + 2,6-Dichlorophenylacetic
 acid 1-(2,6-Dichlorophenylacetoxyl)-3-(guanidinoacetoxyl)-2-propanol (59) Glycerol +
 Guanidinoacetic acid + 4-Aminobutyric acid 1-(4-Aminobutoxy)-3-(guanidinoacetoxyl)-
 2-propanol (60) Adipic (hexanedioic) acid + Guanidine 1,4-Bis-(amidineamido)-butane
 (61) Adipic acid + Aminoguanidine 5-Guanidinamidopentanoic acid (62) Guanidineacetic
 acid + 1,3-Dichloro-2-propanol 1,3-Dichloro-2-guanidinoacetoxyp propane (63) Alpha
 tocopherol + Guanidineacetic acid 2,5,7,8-Tetramethyl-2-(4,8,12-
 trimethyltridecyl)-6-guanidinoacetoxyl chromanol (64) All-cis-5,8,11,14,17-
 eicosapentaenic acid (20:5, omega-3;EPA) + Aminoguanidine All-cis-5,8,11,14,17-
 eicosapentaenamidoguanidine (65) 3,4,5-Trimethoxyphenyl- acetic acid +
 5-Hydroxyindole-3-acetaldehyde + Aminoguanidine 5-(3,4,5-Trimethoxyphenylacetoxyl)-
 indole-3-ethyliminoguanidine (66) Melamine + 3,4-Dimethoxycarbox- aldehyde (3mols)
 2,4,6-Tris-(3,4-dimethoxybenzylidene- amino)-1,3,5-s-triazine (67)
 2,6-Diisopropylaniline + Guanidinoacetic acid N-(2,6-Diisopropylphenyl)-
 guanidinoacetamide (68) 3,5-Dimethoxybenz- aldehyde (2 mols) +

Detailed Description Paragraph Table (7):

Melamine 2-(Amino)-4,6-bis(3,5-dimethoxybenzyl- ideneamino)-1,3,5-s-triazine (69)
 2-(3,5-Dihydroxyphenyl) 2-hydroxyacetaldehyde + 2,6-Dichlorobenzaldehyde + Melamine
 2-(Amino)-4-(2,6-dichlorobenzylidene amino)-6-(3,5-dihydroxy-2-(R)-or-2-(S)-
 hydroxyethylamino)1,3,5-s-triazine (70) Theophylline-7-acetic acid +
 2,6-Dichlorobenzaldehyde + 3,5-Dihydroxymandelic- aldehyde + Melamine
 2-(2,6-Dichlorobenzylideneamino)-4-(3,5- dihydroxy-2-(R)-or-(S)-ethylimino)-6-
 (theophylline-7-acetamido)-1,3,5-s- triazine (71) 1-Naphthylacetic acid +
 2-Acetoxymandelic acid + Melamine 2-(Acetoxymandelic acid)-4-(amino)-6-(1-
 naphthylacetamido)-1,3,5-s-triazine (72) 3,5-Dichloroaniline + Guanidinoacetic acid
 + 5-Hydroxyindole-3- acetic acid N-(3,5-Dichlorophenyl)-5-(guanidino-
 acetoxyl)-indole-3-ethylamine (73) 3,5-Dichloroaniline + Guanidinoacetic acid
 N-(3,5-Dichlorophenyl)-N-guanidino- acetamide (74) 3,4,5-Trimethoxyphenyl- acetic
 acid + 5-Hydroxytryptamine 5-(3,4,5-Trimethoxyphenylacetoxyl)- tryptamine (75)
Aminoguanidine + 3,5-Dihydroxy- mandelic aldehyde 3,5-Dihydroxy-2-(R)-or-(S)-ethyl-
 iminoguanidine (76) 3,5-Dihydroxymandelamine + 2,6-Dichlorobenzaldehyde
 2-(3,5-Dihydroxyphenyl-2-(R)-or-2-(S)- hydroxyethylimino-N-(2,6- dichlorobenzylamine
 (77) 3,4,5-Trimethoxyphenyl- acetic acid + 2-Hydroxy benzylidene aminoguanidine
 2-(3,4,5-Trimethoxyphenylacetoxyl)- benzylideneaminoguanidine (78)
 5-Hydroxytryptamine + 2,6-Dichlorobenzaldehyde N-(2,6-Dichlorobenzylidene)-3-(5-
 hydroxyindole)ethylamine (79) 2-Hydroxybenzoic acid + Aminoguanidine
 2-(Hydroxybenzamidoguanidine)-guanidine (80) 2-Hydroxybenzoic acid + Aminoguanidine +
 Guanidinoacetic acid 2-(Guanidinoacetoxymandelic)-guanidine (81) 2-Acetoxymandelic
 acid + Aminoguanidine 2-Acetoxymandelaminoguanidine (82)
 2-Hydroxybenzamidoguanidine + Theophylline-7-acetic acid 2-(Theophylline-7-acetoxyl)-
 benzamidoguanidine (83) 2-Hydroxybenzoic acid + Theophylline-7-acetic acid
 2-(Theophylline-7-acetoxyl)-benzoic acid (84) 3,5-Dichloro-2-hydroxy-
 benzylideneaminoguanidine + Theophylline-7-acetic acid
 3,5-Dichloro-2-(theophylline-7-acetoxyl)- benzylideneaminoguanidine (85) L-Histidine
 + 2- Hydrazinoimidazole + 2,6-Dichlorobenzaldehyde
 N-(2-Aminoimidazolyl)-2-(R)-or-2-(S)- (2,6-dichlorobenzylideneamino)-4-
 imidazolylpropionamide (86) 2-Propylpentanoic acid + Aminoguanidine
 2-Propylpentanoylaminoguanidine (87) N.sub.2,N.sub.4,N.sub.6,Tris(hydroxymethyl)
 melamine + 3,4-Dimethoxyphenyl propionic acid (3 mols) 2,4,6
 Tris(3,4-dimethoxyphenylpropoxy methylamino)-1,3,5-s-triazine (88) 4-Ethoxyaniline +
 Guanidinoacetic acid 4-(4-Ethoxyphenyl)-guanidinoacetamide (89)
 2-Hydroxybenzoylhydrazine + Guanidinoacetic acid 2-(Guanidinoacetoxyl)-guanidino-
 acetamidobenzamide (90) Aminoguanidine 6-Hydroxy-2,5,7,8- tetramethylchroman-2-
 carboxylic acid 6-Hydroxy-2,5,7,8-tetramethylchromanyl 2-carboxamidoguanidine (91)
 2-Hydrazinopyridine + Salicylic acid + Guanidinoacetic acid
 N-(2-Aminopyridyl)-2-(guanidinoacetoxyl)- benzamide (92) 2-Aminopyrimidine +
 2,6-Dichlorobenzaldehyde 2-(2,6-Dichlorobenzylideneamino)- pyrimidine (93)
 2-Amino-1,3,4-thiadiazole + 3,5-Dichlorophenylacetic acid
 2-(3,5-Dichlorophenylacetyl)-2-amino- 1,3,4-thiadiazole (94) 3-Amino-1,2,4-triazine +
 1-Theobromineacetic acid 3-(2,3,6,7-Tetrahydro-3,7-dimethyl-
 2,6-dioxo-1(2H)purineacetamido)-1,2,4- triazine (95) Aminoguanidine +
 5-Hydantoinacetic acid 5-(Hydantoinacetamido)-guanidine (96)

2-(Aminomethyl)benzimidazole + Theophylline-7-acetic acid
 2-(Theophylline-7-acetamido)-2-methylbenzimidazole (97) Theophylline-7-acetic acid
 + 4-Amidinobenzamide 4-(Amidino)-N-(theophylline-7-acetyl)- benzamide (98)
 2-Imidazole carboxaldehyde + 3,4,5-Trimethoxyaniline
 2-(3,4,5-trimethoxyphenylaminomethyl)-imidazole (99) 4-Amidinobenzamide + 2,6-Dichlorophenyl- acetic acid 4-(Amidino)-N-(2,6-dichlorophenylacetyl)- benzamide (100) 2-(Aminomethyl)benzimidazole + 3,4,5-Trimethoxybenzaldehyde
 2-(3,4,5-Trimethoxybenzylideneamino) 2-methylbenzimidazole (101)
 2-Imidazolecarboxaldehyde + 2,6-Diisopropylaniline 2-(2,6-Diisopropylanilino)-2-methyleneimidazole (102) Theophylline-7-acetic acid + 3,5-Dichlorophenylhydrazine
 7-(3,5-Dichlorophenylhydrazido)-7-acetyltheophylline (103) Aminoguanidine +
 5-Methoxy-2-methyl-3-indoleacetic acid 5-Methoxy-2-methyl-3-indoleacetamidoguanidine (104) Guanidinoacetic acid + 4-Hydroxy-3-methoxybenzylamine
 N-(4-Hydroxy-3-methoxybenzyl)- guanidinoacetamide (105) All-cis-5,8,11,14,17-eicosapentaenoyl-aminoguanidine +

Detailed Description Paragraph Table (8):

4-Hydroxy-3-methoxyphenylacetic acid N-(All-cis-5,8,11,14,17-eicosapentaenoylaminoamidino)-4-hydroxy-3-methoxyphenylacetamide (106)
 Guanidinoacetic acid (2 mols) + 7-(2,3-Dihydroxypropyl)- theophylline
 7-(2,3-Diguainidinoacetoxypentyl)- theophylline (107) Hydralazine +
 3,4,5-Trimethoxybenzyl- idineguanidinoacetic acid
 N-(3,4,5-Trimethoxybenzylideneguanidino acetyl)-1-hydrazinophthalazine (108)
 3-(3,4-Dichlorophenoxy)- benzaldehyde + Aminoguanidine
 3-(3,4-Dichlorophenoxy)-benzylidene aminoguanidine (109)
 3,4-Dichlorophenylacetaldehyde + Aminoguanidine 3,4-Dichlorophenylethylaminoguanidine (110) 6-Hydroxy-2,5,7,8- tetramethylchroman-2- carboxylic acid (3 mols) +
 N.sub.2,N.sub.4,N.sub.6 -Tris-(hydroxymethyl)- melamine
 2,4,6-Tris-(6-hydroxy-2,5,7,8- tetramethylchroman-2-carbonylmethyl amino)-1,3,5-s-triazine (111) Guanidine + 3,4,5-Trimethoxy- benzaldehyde (2 mols)
 N,N'-Bis-(3,4,5-trimethoxybenzylidene) guanidine (112) 5-Methoxyindole-3- ethylamine
 + 3,4,5-Trimethoxyphenyl- acetic acid 5-(Methoxy)-N-(3,4,5-trimethoxyphenylacetyl)-tryptamine (113) Guanidine + Theophylline-7-acetic acid
 N,N'-Bis-(theophylline-7-acetyl)- guanidine (114) Guanidine + 6-Hydroxy-2,5,7,8-tetramethylchroman-2-carboxylic acid N,N'-Bis-(6-hydroxy-2,5,7,8-tetramethylchroman-2-carbonyl)-guanidine (115) Aminoguanidine +
 3,4,5-Trimethoxyphenyl- propionic acid N-(Guanidino)-3-(3,4,5-trimethoxyphenyl)-propionamide (116) Theophylline-7-acetylguanidine +
 6-Hydroxy-2,5,7,8-tetramethylchroman-2-carboxylic acid
 N-(6-Hydroxy-2,5,7,8-tetramethylchroman-2-carbonyl)-N'-(theophylline-7-acetyl)-guanidine (117) 6-Hydroxy-2,5,7,8- tetramethylchroman-2- carboxylic acid +
 Guanidinoacetic acid 6-(Guanidinoacetoxyl)-2,5,7,8- tetramethylchroman-2-carboxylic acid (118) 5-Hydroxyindole-3- ethylaminoguanidine + 6-Hydroxy-2,5,7,8-tetramethylchroman-2- carboxylic acid 5-(6-Hydroxy-2,5,7,8-tetramethylchroman-2-carbonyl)-5-hydroxyindole-3-ethyl- iminoguanidine (119) 6-Hydroxy-2,5,7,8-tetramethylchroman-2- carboxylic acid + 1-Guanidinoacetoxyl-2,3- propanediol
 1-Guanidinoacetoxyl-3-(6-hydroxy-2,5,7,8- tetramethylchroman-2-carbonyl)-2- propanol (120) 2,4-Bis-(amino)-6- (4-aminobutyramido)-1,2,3-s- triazine + 6-Hydroxy-2,5,7,8-tetramethylchroman-2- carboxylic acid + Theophylline-7-acetic acid
 2-(4-Aminobutyramido)-4-(6-hydroxy- 2,5,7,8-tetramethylchroman-2-carboxamido)-6-(theophylline-7- acetamido)-1,2,3-s-triazine (121)
 Theophylline-7-acetic acid + 6-Hydroxy-2,5,7,8-tetra- methylchroman-2-carboxylic acid 7-(6-Hydroxy-2,5,7,8-tetramethylchroman-2-carbonyl)-7-acetyltheophylline (122)
 Theophylline-7-acetic acid + 2-(4-Aminophenyl)-6- methylbenzothiazole
 6-(Methyl)-2-(4-theophylline-7-acetamido phenyl)-2-benzothiazole (123)
 2-Amino-5-nitropyrimidine + 6-Hydroxy-2,5,7,8-tetramethyl- chroman-2-carboxylic acid
 2-(6-Hydroxy-2,5,7,8-tetramethylchroman-2-carboxamido)-5-nitropyrimidine (124)
 6-(Guanidinoacetoxyl)-2,5,7,8- tetramethylchroman-2- carboxylic acid + 2-Aminopyridine
 2-(6-Guanidinoacetoxyl)-2,5,7,8-tetra- methylchroman-2-carboxamido-2-pyridine (125)
 6-(Guanidinoacetoxyl)-2,5,7,8- tetramethylchroman-2- carboxylic acid + 4-Aminopyridine
 4-(6-Guanidinoacetoxyl)-2,5,7,8- tetramethylchroman-2-carboxamido-4- pyridine (126)
 4-Aminopyridine + Guanidinoacetic acid 4-(Guanidinoacetamido)-pyridine (127)
 Guanidinoacetic acid (2 mols) + Diethylstilbestrol
 4,4'-(1,2-Diethyl-1,2-ethenediyl)bis- phenoldiguanidinoacetate ester (128)
 6-(Guanidinoacetoxyl)-2,5,7,8- tetramethylchroman-2-carboxylic acid +

Diethylstilbestrol 2-[4,4'-(1,2-Diethyl-1,2-ethenediyl) phenol]-6-(guanidinoacetoxy)-2,5,7,8- tetramethylchroman-2-carbonyl-2-phenol ester (129) 6-Chloro-1,2-dihydro-17- hydroxy-3'H-cyclopropa[1,2] Pregna-1,4,6-triene-3,20-dione + guanidino acetic acid 6-Chloro-1,2,Dihydro-17-guanidino-acetoxy-3'H-cyclopropa[1,2]pregna-1,4,6- triene-3,20-dione (130) 2-Hydroxybenzoic Acid + Guanidinoacetic acid 2-Guanidinoacetoxybenzoic acid (131) 2-Hydroxybenzoic acid + 6-(Guanidinoacetoxy)- 2,5,7,8-tetramethylchroman - 2-carboxylic acid 2-[6(guanidinoacetoxy)-2,5,7,8- tetramethylchroman-2-carbonyl]-2-benzoic acid ester (132) 6-Chloro-1,2-dihydro-17- hydroxy-3'H-cyclopropa[1,2] pregna-1,4,6-triene-3,20-dione + 6-Hydroxy-2,5,7,8- tetramethylchroman-2- carboxylic acid 2-(6-Chloro-1,2-dihydro-17-hydroxy-3'H- cyclopropa[1,2]pregna-1,4,6-triene-3,20-dione)-2-(6-hydroxy-2,5,7,8-tetramethyl- chroman)-2-carboxylic acid ester (133) 6-Hydroxy-2,5,7,8-tetramethyl- chroman-2-carboxylic acid + N-Guanidinoacetamido-1-aminophthalazine N-(6-Hydroxy-2,5,7,8-tetramethylchroman-2-carboxamido)-N-amidinoacetamido-1- aminophthalazine (134) Cyproteronesuccinate (Na+) + Hydralazine 17-(Cyproteronesuccinamido)-17-amino-phthalazine (135) 4-Aminobenzamido-guanidine + 6-Hydroxy-2,5,7,8-tetramethyl-chroman-2-carboxylic acid 4-N-(6-Hydroxy-2,5,7,8-tetramethyl-chroman-2-carboxamido)-4-

Detailed Description Paragraph Table (9):

benzamidoguanidine (136) 5-(Amino)-3,5-dideoxy-D-glycero- D-galacto-2-nonulosonic acid + Guanidinoacetic acid 5-(guanidinoacetamido)-3,5-dideoxy-D-glycero-D-galacto-2-nonulosonic acid (137) Alpha-D-glucose + Aminoguanidine Alpha-D-glucosyl-1-aminoguanidine (138) Guanidineacetic acid + 6-Hydroxy-2,5,7,8-tetramethyl- chroman-2-carboxylic acid + Theophylline-7-acetoc acid 6-(Theophylline-7-acetoxy)-2-5-7-8- tetramethylchroman-2-carbox- amidoguanidine (139) 6-(Guanidinoacetoxy)-2,5,7,8- tetramethylchroman-2-carboxylic acid + Salicylic acid 2-[6-(Guanidinoacetoxy)-2,5,7,8- tetramethylchroman-2-carbonyl]-2-hydroxybenzoic acid ester (140) 2-(6-Chloro-1,2-dihydro-17-hydroxy-3'-H-cyclopropa[1,2] pregna-1,4,6-triene-3,20-dione)-6-(hydroxy-2,5,7,8-tetramethyl- chroman-2-carboxylic acid ester + 1-(Succinamido)-1--aminophthalazine 17-[2-6-(N-1-Aminophthalazino-1-amido-propionyl)-2,5,7,8-tetramethylchroman-2- carbonyl]-17-cyproterone ester (141) 6-(Guanidinoacetoxy)-2,5,7,8- tetramethylchroman-2-carboxylic acid + Cyproterone 17-[6-(Guanidinoacetoxy)-2,5,7,8- tetramethylchroman-2-carbonyl]-17- cyproterone ester (142) 3,5-Dichloro-2-hydroxy- benzylideneaminoguanidine + 6-Hydroxy-2,5,7,8-tetramethyl- chroman-2-carboxylic acid 2-[6-Hydroxy-2,5,7,8-tetramethyl- chroman-2-carbonyl]-2-(3,5-dichloro-2-oxybenzylidene)-aminoguanidine ester (143) 4,4'-(1,2-Diethyl-1,2-ethenediyl)-4'-guanidinoacetoxy- phenyl-4'-phenol + 6-Hydroxy-2,5,7,8-tetramethyl-chroman-2-carboxylic acid 4-4'-(1,2-Diethyl-1,2-ethenediyl)-4-guanidinoacetoxyphenyl-4'-(6-hydroxy- 2,5,7,8-tetramethylchroman-2- carbonyl)-phenol ester (144) Testosterone + Guanidinoacetic acid 17-Guanidinoacetoxytestosterone (145) Aminoguanidine + 2-Acetoxy-3,5-dichloro- benzaldehyde 2-Acetoxy-3-5-dichlorobenzylidene- aminoguanidine (146) Testosterone + 6-Guanidinoacetoxy-2,5,7,8- tetramethylchroman-2- carboxylic acid 17-(6-Guanidinoacetoxy-2,5,7,8- tetramethylchroman-2-carbonyl)- testosterone ester (147) Estradiol + Guanidineacetic acid Bis(3,17-guanidinoacetoxy)estradiol (148) Estrone + Guanidineacetic acid 3-(Guanidinoacetoxy)-estrone (149) 6-Guanidinoacetoxy-2,5,7,8- tetramethylchroman-2- carboxylic acid + estrone 3-(6-Guanidinoacetoxy-2,5,7,8- tetramethylchroman-2-carbonyl)-3- estrone ester (150) 5-Guanidinamidopentanoic acid + 2,6-Di-tert-butyl-4- methylphenol 1-(5-Guanidinamidopentanoyl)-2,6-di- tert-butyl-4-methylphenol ester (151) Prostaglandin G.sub.1 (PGE.sub.1 aminoguanidine N-(PGE.sub.1 carboxamido)-guanidine (152) PGE.sub.1 + hydralazine N-(PGE.sub.1 carboxamido)-1-aminophthalazine (153) 6-(PGE.sub.1 carboxy)-2,5,7,8- tetramethylchroman-2- carboxylic acid + Hydralazine N-[6-PGE.sub.1 carbonyl]-2,5,7,8-tetramethyl-chroman-2-carboxamido)-1-aminophthalazine (154) Cyproterone + PGE.sub.1 17-(PGE.sub.1 carbonyl)-17-cyproterone ester (155) Testosterone + PGE.sub.1 17-(PGE.sub.1 carbonyl)-17-testosterone ester (156) Estrone + PGE.sub.2 3-(PGE.sub.2 carbonyl)-3-estrone ester (157) PGE.sub.2 + 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-phenol 4-(PGE.sub.2 carbonylphenyl)-4-4'-(1,2-diethyl-1,2-ethenediyl)-4-phenol (158) Estradiol + PGE.sub.2 Bis(3,17-PGE.sub.2 carbonyl)-estradiol ester (159) 1-(Guanidinoacetoxy)-2,3- propanediol +

Theophylline-7-acetic acid 1-(Guanidinoacetoxy)-3-(theophylline-7-acetoxy)-2-propanol (160) 4-Aminobutyric acid + 4-isopropylbenzaldehyde
 4-N-(4-Isopropylbenzylideneamino)-4-butyric acid (161) Hydralazine +
 3,4,5-Trimethoxybenzaldehyde N-(3,4,5-Trimethoxyethyleneamino)-1-aminophthalazine
 (162) 2-Methylaminobenzimidazole + 2,6-Dichlorobenzaldehyde
 2-(2,6-Dichlorobenzylideneamino)-2-methyl-benzimidazole (163) Aminomethylamidine +
 2-6-Diisopropylbenzaldehyde 2,6-Diisopropylbenzylideneamino methylamidine (164)
 Ethylenediamine + Theophylline-7-acetic acid (2 mols)
 1,2-Bis(theophylline-7-acetamido)-ethane (165) 3,4,5-Trimethoxyphenyl-butyric acid
 + Hydralazine N-(3,4,5-Trimethoxyphenylbutyramido)-1-aminophthalazine (166)
 Hydralazine + All-cis-5,8,11,14,17-eicosapentaenoic acid
 N-(All-cis-5,8,11,14,17-eicosapentaenoyl amino)-1-aminophthalazine (167)
 Guanidineamido-carboxypentanoic acid + Choline
 Guanidinamidocarbonyl-1-cholinepentanoic acid ester (168) 1-3-Dinitro-2-propanol +
 Guanidineacetic acid 1,3-Dinitro-2-guanidinoacetoxypropane (169)
 2,6-Diisopropylanillin + Indole-3-carboxaldehyde
 N-(Indole-3-methylene)-2,6-diisopropyl-anillin (170) Glycerol + PGE.sub.1 (2 mols)
 1,3-Di-PGE.sub.1-2-propanol-ester (171) 4-(3,5-Dichlorobenzylidene-amino)benzoic
 acid + Aminoguanidine 4-N-(3,5-Dichlorobenzylideneamino)-1-guanidinobenzamide (172)
 6-(Guanidinoacetoxy)-2,5,7,8-tetramethylchroman-2-carboxylic acid + 4-Aminobutyric
 acid 4-N-(6-Guanidinoacetoxy)-2,5,7,8-tetra-methylchroman-2-carboxamido)-4-butyric
 acid (173) Aminoguanidine + 2-(All-cis-5,8,11,14,17-eicosapentaenoyloxy)-benzoic
 acid 2-(All-cis-5,8,11,14,17-eicosapentaenoyl)-2-oxy-1-(guanidino)-benzamide (174)
 Glycerol

Detailed Description Paragraph Table (10):

+ All-cis-5,8,11,14,17-eicosapentaenoic acid (2 mols)
 1,3-Bis-(all-cis-5,8,11,14,17-eicosapentaenoyloxy)-2-propanol (175) Melamine +
 All-cis-5,8,11,14,17-eicosapentaenoic acid (3 mols) 2,4,6-Tris(-all
 cis-5,8,11,14,17-eicosapentaeneamido)-1,3,5-s-triazine (176) L-Arginine +
 2,6-Diisopropylaniline N-(-2,6-Diisopropylphenyl)-L-arginineamide (177)
 2,4,6-Trimethoxybenzaldehyde + Aminoguanidine 2,4,6-Trimethoxybenzylideneamino-
 guanidine (178) Guanidineacetic acid + 2,6-Dimethylaniline
 N-(2,6-Dimethylphenyl)-guanidino-acetamide (179) Guanidine + All-cis-5,8,11,14,17-
 eicosapentaenoic acid (2 mols) Bis-N,N'-(all-cis-5,8,11,14,17-
 eicosapentaenoylamino)-imine (180) Hydralazine + Guanidinoacetic acid
 N-(Guanidinoacetamido)-1-aminophthalazine (181) 2-Amino-5-ethyl-1,3,4-thiadiazole +
 2,6-Dichlorobenzaldehyde 2-(2,6-Dichlorobenzylideneamino)-5-ethyl-1,3,4-thiadiazole
 (182) 2,6-Dichlorobenzylidene-aminoguanidine + Theophylline-7-acetic acid
 N-(2,6-Dichlorobenzylideneamino)-N'-(theophylline-7-acetyl)-guanidine (183)
 2-(3,4-Dihydroxyphenyl) 2-hydroxyacetaldehyde + Trolox-guanidineamide
 N-(6-Hydroxy-2,5,7,8-tetramethylchroman-2-carbonyl)N'-(3,4-dihydroxyphenyl)-2-
 (R)-or-2-(S)-hydroxyethylguanidine (184) Megestrol + Guanidinoacetate
 17-(Guanidinoacetoxy)-megestrol (185) Medroxyprogesterone + Guanidinoacetic acid
 17-(Guanidinoacetoxy)-medroxy-progesterone (186) Hydroxyprogesterone +
 Guanidinoacetic acid 17-(Guanidinoacetoxy)-progesterone (187)
 [Z]-2-[4-(1,2-Diphenyl-1-butenyl)-phenol + Guanidinoacetic acid
 [Z]-2-[4-(1,2-Diphenyl-1-butenyl)-phenoxy]-guanidineacetate ester (188)
 2-Guanidinobenzimidazol + Indole-3-carboxaldehyde 2-(Indole-3-methyleneamino)-2-
 amidinobenzimidazol (189) Phenylacetic Acid + Guanidine Phenylacetamidamidine
 (190) 1,4-Diguanidinobutane (Commercially available product as arcaïne) (191)
 2,6-Dichlorobenzaldehyde + 3,7-Dihydro-8-amino-1,3,7-trimethyl-1H-purine-2,6-dione
 3,7-Dihydro-8-(2,6-dichlorobenzylidene amino)-1,3,7-trimethyl-1H-purine-2,6-dione
 (192) 4,4'-[Pentanediy]bis(oxy)] bis-benzenecarboximidamide (Commercially available
 as pentamidine) (193) Cytosine + 2,6-Dichlorobenzaldehyde
 4-N-(2,6-Dichlorobenzylideneamino)-2-oxypyrimidine (194)
 3,4,5-Trimethoxybenzaldehyde + 3,5-Diamino-1,2,4-triazole
 3,5-Bis(3,4,5-trimethoxybenzylidene amino)-1,2,4-triazole (195) Trolox +
 3,5-Diamino-1,2,4-triazole 3,5-Bis-(6-hydroxy-2,5,7,8-tetramethyl-
 chroman-2-carboxamido)-1,2,4-triazole (196) 5-Hydroxyindole-3-acetaldehyde +
 3,4,5-Trimethoxybenzaldehyde + 3,5-Diamino-1,2,4-triazole
 3-(5-Hydroxyindole-3-ethylamino)-5-(3,4,5-trimethoxybenzylideneamino)-
 1,2,4-triazole (197) 8-Aminocaffeine + Acetylsalicylic acid
 3,7-Dihydro-8-N-(2-acetoxybenzamido)-1,3,7-trimethyl-1H-purine-2,6-dione (198)
 Cytosine + D-glucose 4-N-(1-Glucosylamino)-cytosine (199) Theophylline-7-acetic acid

+ 2,6-Dichlorobenzaldehyde + 3,5-Diamino-1,2,4-triazole
 3-(2,6-Dichlorobenzylideneamino)-5-(theophylline-7-acetamido)-1,2,4-triazole (200)
 Trolox + Betaine + 3,5-Diamino-1,2,4-triazole
 3-(6-Hydroxy-2,5,7,8-tetramethylchroman-2-carboxamido)-5-(N,N,N-trimethylmethanaminiumcarboxamido)-1,2,4-triazole (201) Theophylline-7-acetic acid +
 3,5-Diamino-1,2,4-triazole + Acetylsalicylic
 3-(-2-Acetoxybenzamido)-5-(theophylline-7-acetamido)-1,2,4-triazole (202)
 Theophylline-7-acetic acid + 2-Guanidinoacetoxybenzoic acid +
 3,5-Diamino-1,2,4-triazole 3-(-2-Guanidinoacetoxybenzamido)-5-(theophylline-7-acetamido)-1,2,4-triazole (203) 8-Aminocaffeine +
 2-Guanidinoacetoxy-benzoic acid 3,7-Dihydro-8-(2-guanidinoacetoxyphenyl-carboxamido)-1,3,7-trimethyl-1H-purine-2,6-dione (204) P-Hydroxyanilin +
 Guanidinoacetic Acid N-(4-Guanidinoacetoxy)-guanidino-acetanilid ((205)
 8-Aminocaffeine + Trolox 3,7-Dihydro-8-(6-hydroxy-2,5,7,8-tetramethylchroman-2-carboxamido)-1,3,7-trimethyl-1H-purine-2,6-dione (206) Trolox
 + Cytosine + Guanidineacetic Acid 4-N-(6-Guanidinoacetoxy-2,5,7,8-tetramethylchroman-2-carboxamido)-4-(2-(hydroxy)-pyrimidine (207) Trolox +
 8-Aminocaffeine + Guanidineacetic acid 3,7-Dihydro-8-N-(2-guanidinoacetoxy-2,5,7,8-tetramethylchroman-2-carboxamido)-1,3,7-trimethylxanthine (208) Thiocetic acid (Alpha-lipoic acid) + Aminoguanidine N-(1,2-Dithiolane-3-pentanainido)-guanidine (209) Thiocetic acid + 3,5-Diamino-1,2,4-triazole
 3,5-Bis-(1,2-dithiolane-3-pentanainido)-1,2,4-triazole (210) Aminoguanidine +
 3,3-Thiodipropionic acid 3,3'-Thiodipropionamidoguanidine (211) Maleic Acid +
 Aminoguanidine Cis-1,2-ethylene-bis-(carboxamido)-guanidine (212)
 Theophylline-7-acetic acid + 3,5-Diamino-1,2,4-triazole + Glycine
 3-(Glycylamido)-5-(theophylline-7-acetamido)-1,2,3-triazine (213) 8-Aminocaffeine +
 2-(4-Amino-3,5-dichlorophenyl)-2-hydroxyethylaldehyde

Detailed Description Paragraph Table (11):

8-[2-(4-Amino-3,5-dichlorophenyl)-2-hydroxyethylene]-8-imino-1,3,7-trimethylxanthine (214) Cafaminol + Guanidineacetic acid 8-[(2-Guanidinoacetoxyethylmethylamino)-caffeine (215) 8-Aminocaffeine + GABA
 8-(4-Aminobutyramido)-1,3,7-trimethyl-xanthine (216) 2'-Deoxyadenosine + Guanidineacetic acid 9-(2'-Deoxy-5'-guanidinoacetoxy)-9-beta-D-ribofuranosidoadenine or 2'-deoxyadenosine-5'-guanidinoacetic acid ester (217)
 N-(4-Chlorophenyl)-N'-(1-methyl-ethyl)imido-dicarbonimidic diamide (Available commercially as chlorguanide) (218) 4-Chlorobutyric Acid + Dimethoxybenzylidene-guanidine 4-N-(2,6-Dimethoxybenzylideneamino)-4-amidinobutyric acid (219)
 4-Chloro-3,5-xlenol + 2-Hydrazinoimidazole 2-(2,6-Dimethyl-4-hydroxyphenylamino)-2-aminoimidazole (220) 8-Chlorocaffeine + 5-Hydroxytryptamine
 8-N-(5-Hydroxyindole-3-ethylamino)-8-(1,3,7-trimethyl)-xanthine (221)
 7-(2-Chloroethyl)-theophylline + Aminoguanidine 7-(Guanidinoaminoethyl)-7-(1,3-dimethyl)-xanthine (222) 8-Chlorocaffeine + 4-Aminobutyric Acid
 4-N-(8-Amino-1,3,7-trimethylxanthine)-4-butyric acid (223) 4-Amidinobenzamide + Chlorodiphenylmethane N-(Diphenylmethyl)-4-(amidino)-Benzamide (224)
 8-Chlorotheophylline + Hydralazine 1-N-(Theophylline-8-amino)-1-amino-phthalazine (225) 2-Chloroadenosine + Guanidine 6-Amino-2-guanidinopurineriboside (226)
 4-Chlorophenoxyacetic acid + Aminoguanidine 4-Chlorophenoxyacetamidoguanidine (227)
 4-Chlorophenoxyacetamido-guanidine + Aminoguanidine
 4-Aminoguanidinophenoxyacetamido-guanidine (228) 2-Amino-1,3,4-thiadiazole + 8-Chlorocaffeine 2-(8-caffeineamino)-1,3,4-thiadiazole
 2-N-(1,3,7-Trimethylxanthine-8-amino)-1,3,4-thiadiazole (229) Cyheptamide + 8-Chlorocaffeine 8-N-(10,11-Dihydro-5H-dibenzo[a,d]cycloheptene-5-carboxamido)-8-(1,3,7-trimethyl)-xanthine (230)
 4,6-Dichloro-2-(methylthio)-pyrimidine + aminoguanidine
 4,6-Diaminoguanidino-2-(methylthio)-pyrimidine (231) 4-Chlorophenoxyacetamido-guanidine + cyheptamide 5-N-(10,11-Dihydro-5H-dibenzo[a,d]cycloheptene-5-carboxamido)-5-(phenoxyacetamido)-guanidine (232)
 3,5-Diamino-1,2,4-triazole + 8-chlorocaffeine
 3,5-Bis-(7-methyl-8-theophyllineamino)-1,2,4-triazole (233) Biotin + 4-Amidinobenzamide N-(Hexahydro-2-oxo-1H-thieno[3,4-d]-imidazole-4-pentanoyl)-4-amidinobenzamide (234) Biotin + Aminoguanidine N-(Hexahydro-2-oxo-1H-thieno[3,4-d]-imidazole-4-pentanamido-4-guanidine

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TITLE: Conjugates of dithiocarbamates with pharmacologically active agents and uses therefore

Brief Summary Text (99):

antioxidants (e.g., N-acetylcsysteine, Vitamin A, Vitamin C, Vitamin E, .beta.-carotene, EUK-8, flavonoids, glutathione, .alpha.-lipoic acid, melatonin, retinols, and the like);

Brief Summary Text (128):

nitric oxide synthase inhibitors (e.g., N.sup.4 -methyl-L-arginine, aminoguanidine, N.sup.(-(iminoethyl)-L-ornithine, thiocitrulline and other citrulline derivatives, N.sup.4 -nitro-L-arginine, N.sup.4 -nitro-L-arginine methyl ester, N.sup.4 -amino-L-arginine, and other arginine derivatives, isothiourea and its derivatives, and the like,